



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

PLAGUE-PREVENTION WORK.

CALIFORNIA.

The following reports of plague-prevention work in California were received from Surg. Boggess, of the United States Public Health Service, in charge of the work:

WEEK ENDED MAY 27, 1916.

SAN FRANCISCO, CAL.

RAT PROOFING.

New buildings:

Inspections of work under construction..	215
Basements concreted (square feet, 61,095).....	76
Floors concreted (square feet, 38,775).....	24
Yards, passageways, etc., concreted (square feet, 36,268).....	154
Total area concrete laid (square feet)....	136,138

Class A, B, and C (fireproof) buildings:

Inspections made.....	148
Roof and basement ventilators, etc., screened.....	690
Wire screening used (square feet).....	3,120
Openings around pipes, etc., closed with cement.....	1,530

Old buildings:

Inspections made.....	397
Wooden floors removed.....	30
Yards and passageways, planking re- moved.....	4
New foundation walls installed (cubic feet).....	8,850
Concrete floors installed (square feet, 33,060).....	49
Basements concreted (square feet, 49,625).....	38
Yards and passageways, etc., concreted (square feet, 40,076).....	97
Total area concrete laid (square feet)....	122,761
Floors rat proofed with wire cloth (square feet, 5,150).....	4
Buildings razed.....	7

New garbage cans stamped approved.....	229
Nuisances abated.....	327
Vessels inspected for rat guards.....	21
Reinspections made on vessels.....	17
New rat guards procured.....	17
Defective rat guards repaired.....	8
Traps set on wharves and water front.....	130
Traps set on vessels.....	186
Vessels trapped on.....	19
Poisons placed on water front (pieces).....	3,600
Poisons placed within Panama-Pacific Inter- national Exposition grounds (pieces).....	30,000
Bait used on water front and vessels—bacon (pounds).....	6
Amount of bread used in poisoning water front (loaves).....	9
Pounds of poison used on water front.....	3

RATS COLLECTED AND EXAMINED FOR PLAGUE.

San Francisco:

Collected.....	539
Examined.....	408
Found infected.....	None.

SAN FRANCISCO, CAL.—Continued.

RATS COLLECTED AND EXAMINED FOR PLAGUE— continued.

Oakland:

Collected.....	11
Examined.....	11
Found infected.....	None.

RATS IDENTIFIED.

Mus norvegicus.....	214
Mus rattus.....	108
Mus alexandrinus.....	160
Mus musculus.....	57

SQUIRRELS COLLECTED AND EXAMINED FOR PLAGUE.

Counties.	Col- lected.	Exam- ined.	Found infected.
Alameda.....	1,124	1,124	(1)
Contra Costa.....	1,372	1,372	4
San Benito.....	708	708	3
Merced.....	508	508	(1)
Stanislaus.....	232	232	(1)
San Mateo.....	157	157	(1)
Santa Cruz.....	146	146	(1)
Monterey.....	371	371	(1)
Santa Clara.....	126	126	1
San Luis Obispo.....	345	345	(1)
Fresno.....	39	39	(1)
Total.....	5,128	5,128	8

¹ None.

OTHER ANIMALS COLLECTED AND EXAMINED.

Rabbits.....	32
Weasels.....	1
Total.....	33
Found infected.....	None.

RANCHES INSPECTED.

Alameda County.....	75
Contra Costa County.....	61
Stanislaus County.....	49
Santa Clara County.....	54
San Benito County.....	32
Merced County.....	40
Santa Cruz County.....	25
San Mateo County.....	19
Monterey County.....	19
Fresno County.....	5
San Luis Obispo County.....	7
Total.....	386

PLAGUE-INFECTED SQUIRRELS.

Contra Costa County:

Shot May 15, 1916. Southport Land & Commercial Co. land, sec. 6, T. 1 N., R. 1 E., 8½ miles southeast of Antioch.	1
Shot May 16, 1916. F. Abrott ranch, Sobrante grant, 8 miles northeast of Richmond.	1
Shot May 18, 1916. Fernandez estate, plot P., Sobrante grant, 8½ miles northeast of Richmond.	1
Shot May 22, 1916. Mortimer ranch, 9 miles west of Walnut Creek.	1

PLAGUE-INFECTED SQUIRRELS—Continued.

San Benito County:

Shot May 13, 1916. V. B. Okibham ranch, sec. 28, T. 14 S., R. 7 E., 4 miles northwest of Emmet.	1
Shot May 16, 1916. L. M. Eagan ranch, plots 8 and 9 of Rancho San Justo, 5 miles southwest of Hollister.	1
Shot May 17, 1916. D. Marcus ranch, sec. 15, T. 12 S., R. 6 E., 7 miles northeast of Hollister.	1
Santa Clara County:	
Shot May 19, 1916. Cochran ranch, 3½ miles northeast of Morgan hill.	1

WEEK ENDED JUNE 3, 1916.

SAN FRANCISCO, CAL.

RAT PROOFING.

New buildings:

Inspections of work under construction.	224
Basements concreted (square feet 47,320).	56
Floors concreted (square feet, 67,875).	12
Yards, passageways, etc., concreted (square feet, 26,780).	130
Total area of concrete laid (square feet).	141,975

Class A, B, and C (fireproof) buildings:

Inspections made.	117
Roof and basement ventilators, etc., screened.	740
Wire screening used (square feet).	3,790
Openings around pipes, etc., closed with cement.	1,690
Sidewalk lens lights replaced.	900

Old buildings:

Inspections made.	322
Wooden floors removed.	49
Yards and passageways, planking removed.	32
New foundation walls installed (cubic feet).	4,075
Concrete floors installed (square feet, 21,765).	26
Basements concreted (square feet, 27,410).	32
Yards and passageways, etc., concreted (square feet, 17,995).	55
Floors ratproofed with wire cloth (square feet, 3,800).	4
Total area concrete laid (square feet).	67,170
Buildings razed.	16
New garbage cans stamped approved.	154
Nuisances abated.	314

OPERATIONS ON THE WATER FRONT.

Vessels inspected for rat guards.	11
Reinspections made on vessels.	25
New rat guards procured.	13
Defective rat guards repaired.	16
Rats trapped on wharves and water front.	41
Rats trapped on vessels.	46
Traps set on wharves and water front.	133

SAN FRANCISCO, CAL.—Continued.

OPERATIONS ON THE WATER FRONT—continued.

Traps set on vessels.	235
Vessels trapped on.	15
Poisons placed on water front (pieces).	3,600
Poisons placed within Panama-Pacific International Exposition grounds (pieces).	17,900
Bait used on water front and vessels—bacon (pounds).	6
Bread used in poisoning water front (loaves).	9
Poison used on water front (pounds).	3

RATS COLLECTED AND EXAMINED FOR PLAGUE.

Cities.	Collected.	Examined.	Found infected.
San Francisco.	246	243	(1)
Oakland.	17	17	(1)
Total.	263	260	(1)

1 None.

RATS IDENTIFIED.

Mus norvegicus.	109
Mus rattus.	51
Mus alexandrinus.	68
Mus musculus.	18

SQUIRRELS COLLECTED AND EXAMINED FOR PLAGUE.

Counties.	Collected.	Examined.	Found infected.
Contra Costa.	1,061	1,061	8
Alameda.	974	974	2
San Benito.	663	663	2
Merced.	505	505	(1)
San Luis Obispo.	411	411	(1)
Monterey.	244	244	5
San Mateo.	238	238	(1)
Santa Clara.	227	227	1
Stanislaus.	188	188	(1)
Santa Cruz.	167	167	(1)
Fresno.	105	105	(1)
Total.	4,783	4,783	18

1 None.

OTHER ANIMALS COLLECTED AND EXAMINED.

Rabbits.....	45
Wood rats.....	2
Total.....	47
Found infected.....	None.

RANCHES INSPECTED.

Alameda County.....	72
Contra Costa County.....	39
Stanislaus County.....	22
Santa Clara County.....	35
San Benito County.....	28
Merced County.....	42
Santa Cruz County.....	25
San Mateo County.....	15
Monterey County.....	7
Fresno County.....	2
San Luis Obispo County.....	8
San Joaquin County.....	4

PLAGUE-INFECTED SQUIRRELS.

Santa Clara County:

Shot May 24, 1916. Cochran ranch, 3 miles northeast of Morgan Hill, Canada De San Felipe Y. Les Animal Grant.....

1

Contra Costa County:

Shot May 20, 1916. Donovan ranch, 8 miles southwest of Antioch, sec. 1, T. 1 N., R. 1 W., and T. 1 N., R. 1 E..
Shot May 20, 1916. J. Nunes ranch, Fernandez estate, plot P, 9 miles northeast of Richmond.....

1

1

PLAGUE-INFECTED SQUIRRELS—Continued.

Contra Costa County—Continued.

Shot May 22, 1916. J. Nunes ranch, Fernandez estate, plot P, 9 miles northeast of Richmond..... 2
Shot May 24, 1916. A. Brown ranch, Fernandez estate, plot Q, 10 miles northeast of Richmond..... 1
Shot May 25, 1916. J. Nunes ranch, Fernandez estate, plot P, 9 miles northeast of Richmond..... 1
Shot May 26, 1916. J. Nunes ranch, Fernandez estate, plot O, 9 miles northeast of Richmond..... 2

Monterey County:

Shot May 22, 1916. San Lorenzo or Topo ranch, 5 miles northeast of Metz..... 3
Shot May 27, 1916. San Lorenzo or Topo ranch, 5 miles northeast of Metz..... 2

San Benito County:

Shot May 24, 1916. H. & L. Matthews ranch, 1 mile north of Emmett, sec. 35, T. 14 S., R. 7 E..... 1
Shot May 27, 1916. A. Cowden ranch, 3½ miles south of Hollister, Rancho San Justo, plot 13..... 1

Alameda County:

Shot May 22, 1916. Oscar Meyer ranch, 7 miles northeast of Hayward, sec. 6, T. 2 S., R. 3 W..... 1
Shot May 26, 1916. M. J. Crocker ranch, 3½ miles northeast of Altamont, sec. 11, T. 1 S., R. 3 E..... 1

RECORD OF PLAGUE INFECTION.

Places in California.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number rodents found infected since May, 1907.
Cities:				
San Francisco.....	Jan. 30, 1908	Oct. 23, 1908	(1)	398 rats.
Oakland.....	Aug. 9, 1911	Dec. 1, 1908	(1)	126 rats.
Berkeley.....	Aug. 28, 1907	(1)	(1)	None.
Los Angeles.....	Aug. 11, 1908	(1)	Aug. 21, 1908	1 squirrel.
Counties:				
Alameda (exclusive of Oakland and Berkeley).....	Sept. 24, 1909	Oct. 17, 1909 ²	May 26, 1916	289 squirrels, 1 wood rat.
Contra Costa.....	July 13, 1915	(1)	do.....	1,615 squirrels.
Fresno.....	(1)	(1)	Oct. 27, 1911	1 squirrel.
Merced.....	(1)	(1)	May 12, 1916	7 squirrels.
Monterey.....	(1)	(1)	May 27, 1916	38 squirrels.
San Benito.....	June 4, 1913	(1)	do.....	62 squirrels.
San Joaquin.....	Sept. 18, 1911	(1)	Aug. 26, 1911	18 squirrels.
Santa Clara.....	Aug. 31, 1910	(1)	May 24, 1916	29 squirrels.
San Luis Obispo.....	(1)	(1)	Jan. 29, 1910	1 squirrel.
Santa Cruz.....	(1)	(1)	Apr. 28, 1916	4 squirrels.
Stanislaus.....	(1)	(1)	June 2, 1911	13 squirrels.

¹ None.² Wood rat.

The work is being carried on in the following-named counties:

Alameda, Contra Costa, San Francisco, Stanislaus, San Benito, Monterey, Merced, Santa Clara, San Mateo, Santa Cruz, San Luis Obispo, Fresno, San Joaquin, Lassen, and Modoc.

LOUISIANA—NEW ORLEANS—PLAGUE ERADICATION.

The following report of plague-eradication work at New Orleans for the week ended June 10, 1916, was received from Passed Asst. Surg. Simpson, of the United States Public Health Service, in charge of the work:

OUTGOING QUARANTINE.		LABORATORY OPERATIONS—continued.	
Number of vessels fumigated with cyanide gas.....	12	Total rodents received at laboratory.....	7,142
Cyanide used in cyanide-gas fumigation (pounds).....	616	Rodents examined.....	1,540
Sulphuric acid used in cyanide-gas fumigation (pints).....	913	Number of rats suspected of plague.....	137
Clean bills of health issued.....	45	Plague rats confirmed.....	2
Foul bills of health issued.....	1		
FIELD OPERATIONS.		PLAGUE RATS.	
Number of rodents trapped.....	6,805	Case No. 294:	
Number of premises inspected.....	7,591	Address, 301 South Johnson Street.	
Notices served.....	827	Captured, May 19, 1916.	
Number of garbage cans installed.....	14	Diagnosis confirmed, June 6, 1916.	
		Treatment of premises: Non-rat-proofed stable; abandoned. Rubbish and debris removed.	
		Intensive trapping.	
		Case No. 295:	
		Address, 1931 Camp Place.	
		Captured, May 23, 1916.	
		Diagnosis confirmed, June 8, 1916.	
		Treatment of premises: Rat proofing of remaining premises in vicinity. Removal of rubbish and debris. Intensive trapping.	
BUILDINGS RAT PROOFED.		PLAGUE STATUS TO JUNE 10, 1916.	
By elevation.....	149	Last case of human plague, Sept. 8, 1915.	
By marginal concrete wall.....	123	Last case of rodent plague, May 23, 1916.	
By concrete floor and wall.....	187	Total number of rodents captured to June 10.....	710,311
By minor repairs.....	263	Total number of rodents examined to June 10.....	361,413
Total buildings rat proofed.....	722		
Square yards of concrete laid.....	7,832	Total cases of rodent plague to June 10, by species:	
Number of premises, planking and shed flooring removed.....	112	Mus musculus.....	6
Number of buildings demolished.....	128	Mus rattus.....	18
Total buildings rat proofed to date (abated). 117,302		Mus alexandrinus.....	13
		Mus norvegicus.....	258
		Total rodent cases to June 10, 1916....	295
LABORATORY OPERATIONS.			
Rodents received by species:			
Mus rattus.....	118		
Mus norvegicus.....	1,243		
Mus alexandrinus.....	143		
Mus musculus.....	5,538		
Wood rats.....	69		
Musk rats.....	26		
Putrid (included in enumeration of species).....	212		

WASHINGTON—SEATTLE—PLAGUE ERADICATION.

The following reports of plague-eradication work at Seattle were received from Surg. Lloyd, of the United States Public Health Service, in charge of the work:

WEEK ENDED MAY 27, 1916.²

RAT PROOFING.		RAT PROOFING—continued.	
New buildings inspected.....	17	Yards, etc., concreted, new buildings (square feet, 1,650).....	3
New buildings reinspected.....	18	Sidewalks concreted (square feet).....	9,475
Basements concreted, new buildings (square feet, 19,275).....	9	Total concrete laid, new structures (square feet).....	37,680
Floors concreted, new buildings (square feet, 7,280).....	4	New buildings elevated.....	5

¹ Indicates the number of rodents the tissues of which were inoculated into guinea pigs. Most of these showed on necropsy only evidence of recent inflammatory process; practically none presented gross lesions characteristic of plague infection.

² Report for May 20, 1916, not received.

RAT PROOFING—continued.

New premises rat proofed, concrete	13
Old buildings inspected	6
Premises rat proofed, concrete, old buildings	4
Floors concreted, old buildings (square feet, 6,275)	4
Wooden floors removed, old buildings	4
Buildings razed	2

LABORATORY AND RODENT OPERATIONS.

Dead rodents received	8
Rodents trapped and killed	343
Rodents recovered after fumigation	15

Total	366
Rodents examined for plague infection	277
Blocks poisoned	12
Poison distributed, pounds	34
Bodies examined for plague infection	None.

CLASSIFICATION OF RODENTS.

Mus rattus	24
Mus alexandrinus	73
Mus norvegicus	213
Mus musculus	56

WATER FRONT.

Vessels inspected and histories recorded	18
Vessels fumigated	2
Sulphur used, pounds	1,175
New rat guards installed	14
Defective rat guards repaired	6
Fumigation certificates issued	2
Port sanitary statements issued	56

The usual day and night patrol was maintained to enforce rat guarding and fending.

WEEK ENDED JUNE 3, 1916.

RAT PROOFING.

New buildings inspected	19
New buildings reinspected	35
Basements concreted, new buildings (square feet, 13,250)	9
Floors concreted, new buildings (square feet, 9,175)	7
Yards, etc., concreted, new buildings (square feet, 3,250)	4
Sidewalks concreted (square feet)	11,275
Total concrete laid, new structures (square feet)	36,950
New buildings elevated	4
New premises ratproofed, concrete	16
Old buildings inspected	7
Premises rat proofed, concrete, old buildings	4
Floors concreted, old buildings (square feet, 7,280)	4
Wooden floors removed, old buildings	4
Buildings razed	3

LABORATORY AND RODENT OPERATIONS.

Dead rodents received	10
Rodents trapped and killed	275
Rodents recovered after fumigation	5

Total	290
Rodents examined for plague infection	218
Rodents proven plague infected	None.
Poison distributed, pounds	6

MISCELLANEOUS WORK.

Rat-proofing notices sent to contractors, new building	6
Letters sent in re rat complaint	7
Lectures delivered on sanitary measures	2
Fishing vessels inspected—medicine chests	5
Restaurant permits viséd	4

RODENTS EXAMINED IN EVERETT.

Mus norvegicus trapped	65
Mus norvegicus found dead	1
Mus musculus trapped	4

Total

Rodents examined for plague infection	65
Rodents found plague infected	None.

RAT-PROOFING OPERATIONS IN EVERETT.

New buildings inspected	3
New buildings reinspected	3
New buildings concrete foundations	3
New buildings elevated	1
New buildings basements concreted (square feet, 22,240)	3
Yards concreted (square feet, 164)	1
Total concrete laid, new buildings (square feet)	22,404

RODENTS EXAMINED IN TACOMA.

Mus norvegicus trapped	124
Mus norvegicus found dead	1

Total

Rodents examined for plague infection	123
Rodents found plague infected	None.

LABORATORY AND RODENT OPERATIONS—contd.

Bodies examined for plague infection	1
Bodies proven plague infected	None.

CLASSIFICATION OF RODENTS.

Mus rattus	14
Mus alexandrinus	70
Mus norvegicus	170
Mus musculus	35
Mountain beaver	1

WATER FRONT.

Vessels inspected and histories recorded	12
Vessels fumigated	1
Sulphur used, pounds	350
New rat guards installed	9
Defective rat guards repaired	10
Fumigation certificates issued	1
Port sanitary statements issued	39

The usual day and night patrol was maintained to enforce rat guarding and fending.

MISCELLANEOUS WORK.

Rat-proofing notices sent to contractors, new buildings	16
Letters sent in re rat complaints	5
Lectures delivered on sanitary measures	1
Fishing vessels inspected—medicine chests	4

RODENTS EXAMINED IN EVERETT.		RAT-PROOFING OPERATIONS IN EVERETT.	
Mus norvegicus trapped.....	59	New buildings inspected.....	2
Mus norvegicus found dead.....	1	New buildings reinspected.....	2
Mus musculus trapped.....	3	New buildings elevated.....	2
Total.....	63	RODENTS EXAMINED IN TACOMA.	
Rodents examined for plague infection.....	58	Mus norvegicus trapped.....	82
Rodents proven plague infected.....	None.	Rodents examined for plague infection.....	82
		Rodents proven plague infected.....	None.

HAWAII—PLAGUE PREVENTION.

The following reports of plague-prevention work in Hawaii were received from Surg. Trotter, of the United States Public Health Service:

Honolulu.

WEEK ENDED MAY 27, 1916.

Total rats and mongoose taken.....	356	Average number of traps set daily.....	984
Rats trapped.....	350	Cost per rat destroyed.....cents..	21½
Mongoose trapped.....	6	Last case rat plague, Aiea, 9 miles from Honolulu,	
Examined microscopically.....	107	Apr. 12, 1910.	
Examined macroscopically.....	249	Last case human plague, Honolulu, July 12, 1910.	
Showing plague infection.....	None.	Last case rat plague, Paauhau, Hawaii, Jan. 18,	
Classification of rats trapped:		1916.	
Mus alexandrinus.....	116	Last case human plague, Paauhau Plantation,	
Mus musculus.....	118	Hawaii, Dec. 16, 1915.	
Mus norvegicus.....	83		
Mus rattus.....	33		

Hilo.

WEEK ENDED MAY 20, 1916.

Rats and mongoose taken.....	2,373	Classification of rats trapped and found	
Rats trapped.....	2,310	dead—Continued.	
Mongoose taken.....	63	Mus rattus.....	556
Rats and mongoose examined macroscopically.....	2,373	Mus musculus.....	851
Rats and mongoose plague infected.....	None.	Last case of rat plague, Paauhau Sugar Co., Jan.	
Classification of rats trapped and found dead:		18, 1916.	
Mus norvegicus.....	599	Last case of human plague, Paauhau Sugar Co.,	
Mus alexandrinus.....	304	Dec. 16, 1915.	